

Building Site Development

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Franklin County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
6: Okoboji-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
8B: Judson-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
11B: Colo-----	60	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
Ely-----	30	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone	0.95	Not limited	
27B: Terril-----	100	Very limited Low strength Frost action	1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
41B: Sparta-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.06
55: Nicollet-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.73	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
62C2: Storden-----	95	Somewhat limited Frost action	0.50	Not limited		Not limited	
62D2: Storden-----	95	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
62E2: Storden-----	90	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
73C: Salida-----	95	Not limited		Very limited cutbanks cave	0.90	Very limited Droughty Gravel content	1.00 0.12
83B: Kenyon-----	100	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Depth to saturated zone	0.16	Not limited	
83C2: Kenyon-----	100	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Depth to saturated zone	0.16	Not limited	
83D: Kenyon-----	100	Somewhat limited Slope Frost action Low strength	0.63 0.50 0.22	Somewhat limited Slope Depth to saturated zone	0.63 0.16	Somewhat limited Slope	0.63
83F: Kenyon-----	100	Very limited Slope Frost action Low strength	1.00 0.50 0.22	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
84: Clyde-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 0.78 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
90: Okoboji-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
95: Harps-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
96: Turlin-----	95	Very limited Flooding Frost action	1.00 0.50	Somewhat limited Depth to saturated zone Flooding	0.61 0.60	Somewhat limited Flooding	0.60
107: Webster-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
118: Garwin-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
119: Muscatine-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
120B: Tama-----	100	Very limited Frost action	1.00	Not limited		Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
133: Colo-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Flooding	0.60	Flooding	0.60
		Flooding	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
135: Coland-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Flooding	0.60	Flooding	0.60
		Flooding	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
138B: Clarion-----	100	Somewhat limited Frost action	0.50	Not limited		Not limited	
138C2: Clarion-----	100	Somewhat limited Frost action	0.50	Not limited		Not limited	
138D2: Clarion-----	95	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Frost action	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
151: Marshan-----	90	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
152: Marshan-----	90	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
153: Shandep-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
174B: Bolan-----	95	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
174C2: Bolan-----	95	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
175B: Dickinson-----	100	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
175C: Dickinson-----	100	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
177: Saude-----	95	Not limited		Very limited cutbanks cave	0.90	Not limited	
177B: Saude-----	95	Not limited		Very limited cutbanks cave	0.90	Not limited	
177C: Saude-----	95	Not limited		Very limited cutbanks cave	0.90	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
178: Waukee-----	100	Not limited		Very limited cutbanks cave	0.90	Not limited	
178B: Waukee-----	100	Not limited		Very limited cutbanks cave	0.90	Not limited	
184: Klinger-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
198B: Floyd-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
201B: Coland-----	50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Flooding	0.60	Flooding	0.60
		Flooding	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
Terril-----	35	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.16	Not limited	
		Frost action	0.50				
213B: Rockton-----	100	Somewhat limited Frost action	0.50	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to bedrock	0.46
		Depth to hard bedrock	0.46				
214B: Rockton-----	100	Somewhat limited Frost action	0.50	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to bedrock	0.46
		Depth to hard bedrock	0.46				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
214C2: Rockton-----	100	Somewhat limited Frost action	0.50	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to bedrock	0.46
		Depth to hard bedrock	0.46				
216C2: Ripon-----	100	Very limited Frost action	1.00	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to bedrock	0.46
		Depth to hard bedrock	0.46				
217B: Ripon-----	100	Very limited Frost action	1.00	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to bedrock	0.46
		Depth to hard bedrock	0.46				
221: Palms-----	100	Very limited Depth to saturated zone Subsidence	1.00	Very limited Depth to saturated zone Content of organic matter	1.00	Very limited Depth to saturated zone Content of organic matter	1.00
		Frost action	1.00				
225: Lawler-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone cutbanks cave	0.95	Not limited	
					0.90		
226: Lawler-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone cutbanks cave	0.95	Not limited	
					0.90		
236B: Lester-----	100	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Not limited		Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
236C: Lester-----	100	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Not limited		Not limited	
236D2: Lester-----	95	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
236F: Lester-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00
284B: Flagler-----	100	Not limited		Very limited cutbanks cave	0.90	Not limited	
284C: Flagler-----	100	Not limited		Very limited cutbanks cave	0.90	Not limited	
329: Webster-----	50	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Nicollet-----	30	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.73	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
335: Harcot-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 0.78 0.50	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
373C2: Tallula-----	95	Very limited Frost action	1.00	Not limited		Not limited	
373D2: Tallula-----	95	Very limited Frost action Slope	1.00 0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
377: Dinsdale-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
377B: Dinsdale-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
377C: Dinsdale-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
377C2: Dinsdale-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	

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382: Maxfield-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
391B: Clyde-----	55	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 0.78 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Floyd-----	35	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
398: Tripoli-----	100	Very limited Depth to saturated zone Frost action Low strength	1.00 1.00 0.22	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
399: Readlyn-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
407B: Schley-----	95	Very limited Frost action Depth to saturated zone	1.00 0.19	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.19
426: Aredale-----	95	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
426B: Aredale-----	100	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
426C: Aredale-----	100	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
426C2: Aredale-----	100	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
428B: Ely-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
444B: Jacwin-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
				Too clayey	0.72		
444C2: Jacwin-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
				Too clayey	0.72		
506: Wacousta-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
507: Canisteo-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
512C: Marlean-----	100	Very limited Low strength	1.00	Not limited		Somewhat limited Content of large stones	0.01
		Shrink-swell	0.50				
512E: Marlean-----	100	Very limited Low strength	1.00	Very limited Slope	0.96	Very limited Slope	0.96
		Slope	0.96			Content of large stones	0.01
		Shrink-swell	0.50				
512G: Marlean-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Low strength	1.00			Content of large stones	0.01
		Shrink-swell	0.50				
551: Calamine-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Low strength	1.00	Too clayey	0.03		
		Shrink-swell	0.50				
		Frost action	0.50				
559: Talcot-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
595: Harpster-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				

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612C2: Mottland-----	100	Not limited		Not limited		Somewhat limited Content of large stones	0.01
612E2: Mottland-----	100	Very limited Slope	0.96	Very limited Slope	0.96	Very limited Slope Content of large stones	0.96 0.01
613: Rossfield-----	100	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Depth to dense layer	0.50	Not limited	
613B: Rossfield-----	100	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Depth to dense layer	0.50	Not limited	
613C: Rossfield-----	100	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Depth to dense layer	0.50	Not limited	
613C2: Rossfield-----	100	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Depth to dense layer	0.50	Not limited	
613D2: Rossfield-----	100	Somewhat limited Slope Frost action Low strength	0.63 0.50 0.22	Somewhat limited Slope Depth to dense layer	0.63 0.50	Somewhat limited Slope	0.63
620C: Port Byron-----	100	Very limited Frost action Low strength	1.00 1.00	Not limited		Not limited	

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620C2: Port Byron-----	100	Very limited Frost action Low strength	1.00 1.00	Not limited		Not limited	
620D2: Port Byron-----	100	Very limited Frost action Low strength Slope	1.00 1.00 0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
620E2: Port Byron-----	100	Very limited Frost action Slope Low strength	1.00 1.00 1.00	Very limited Slope	1.00	Very limited Slope	1.00
621: Houghton-----	100	Very limited Depth to saturated zone Subsidence Frost action	1.00 1.00 1.00	Very limited Depth to saturated zone Content of organic matter	1.00 1.00	Very limited Depth to saturated zone Content of organic matter	1.00 1.00
638C2: Clarion-----	55	Somewhat limited Frost action	0.50	Not limited		Not limited	
Storden-----	35	Somewhat limited Frost action	0.50	Not limited		Not limited	
638D2: Clarion-----	55	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
Storden-----	35	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63

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733: Calco-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 1.00 0.60
760: Ansgar-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
761: Franklin-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone	0.95	Not limited	
771B: Waubeek-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
771C: Waubeek-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
782B: Donnan-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone Too clayey	1.00 0.36	Not limited	

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782C2: Donnan-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength	1.00	Too clayey	0.36		
		Shrink-swell	0.50				
828B: Zenor-----	100	Not limited		Very limited cutbanks cave	0.90	Not limited	
828C: Zenor-----	95	Somewhat limited Slope	0.16	Very limited cutbanks cave Slope	0.90 0.16	Somewhat limited Slope	0.16
933: Sawmill-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Flooding	0.60	Flooding	0.60
		Flooding	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
956: Harps-----	50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
Okoboji-----	45	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	1.00				

Building Site Development

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Franklin County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
1135: Coland-----	100	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
		Flooding Low strength Shrink-swell	1.00 1.00 0.50				
1173: Hoopeston Variant---	95	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone	0.61	Not limited	
5010: Gravel-----	50	Not rated		Not rated		Not rated	
Pits, Sand And Gravel-----	50	Not rated		Not rated		Not rated	
5030: Pits, Limestone Quarry-----	50	Not rated		Not rated		Not rated	
Pits, Limestone Quarry-----	50	Not rated		Not rated		Not rated	
5550: Orthents-----	100	Not rated		Not rated		Not rated	

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Building Site Development

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Franklin County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
W: Water-----	100	Not rated		Not rated		Not rated	